


**Exhibit 1**

	<b>Disclosure AUS8-2003-1471</b>
	Prepared for and/or by an IBM Attorney - IBM Confidential
	Created By Scott Broussard On 08/21/2003 08:19:28 AM MDT Last Modified By Barbara Rogers On 10/02/2003 10:32:08 AM MDT

Required fields are marked with the asterisk (\*) and must be filled in to complete the form.

**\*Title of disclosure (in English)**

System and Method for Cell Phone Compass & location estimator

**Summary**

Status	Final Decision (File/Merge)
Final Deadline	
Final Deadline Reason	
Primary Disclosure	AUS8-2003-1470
Docket Family	AUS8-2003-0903
*Processing Location	Austin
*Functional Area	(52A) 52A - PVC- PERVERSIVE COMPUTING (Kerasich)
Attorney/Patent Professional	Diana L. Roberts/Austin/IBM
IDT Team	Leonel Michueta/Austin/Contr/IBM Sandra Garcia/Austin/Contr/IBM James Smith/Austin/IBM
Submitted Date	06/22/2003 03:42:15 PM MDT
*Owning Division	PVC
Incentive Program	
Lab	
*Technology Code	601
PVT Score	18

**Inventors with a Blue Pages entry**

Inventors: Scott Broussard/Austin/IBM, Ed Spring/Austin/IBM, Ying Liu/Austin/IBM

Inventor Name	Inventor Serial	Div/Dept	Phone	Manager Name
> Broussard, Scott J.	482374	7J/7LAA	678-8843	West II, Robert W.
Spring, Ed N.	728727	7J/7LAA	678-8725	West II, Robert W.
Liu, Ying (Lisa)	1A8337	7J/7LAA	678-2349	West II, Robert W.

> denotes primary contact

**Inventors without a Blue Pages entry**

**IDT Selection**

Attorney/Patent Diana L. Roberts/Austin/IBM

Main idea for disclosure - continued

**Main Idea for Disclosure AUS8-2003-1471**

Prepared for and/or by an IBM Attorney - IBM Confidential

Archived On 08/30/2003 12:05:28 AM

**Title of disclosure (in English)**  
**System and Method for Cell Phone Compass & location estimator**

**Main idea of disclosure**

1. Background: What is the problem solved by your invention? Describe known solutions to this problem (if any). What are the drawbacks of such known solutions, or why is an additional solution required? Cite any relevant technical documents or references.

**ABSTRACT**

In the area of cell phones, popularity services, GPS, this innovation describes a system and method that allows the GPS location (of another location from where the device is) to be estimated, and then the information can be integrated with cell phone services that utilize GPS.

**PROBLEM**

Sometimes GPS is a valuable piece of information in performing an advanced enterprise telecom service, however, sometimes even better services could be performed by getting the GPS location of some other location.

2. Summary of invention: Briefly describe the core idea of your invention (saving the details for questions #3 below). Describe the advantage(s) of using your invention instead of the known solutions described above.

**SOLUTION**

This innovation utilizes an internal digital compass that is part of the cell phone device, to provide directional capability within the phone. With the direction that the phone is pointing, the phone can prompt the user for a distance and calculate the estimated GPS of another point of interest. This other point of interest can be used to determine the rating or category of that point and utilize the rating system.

Distances can be easily entered or selected from a list (1 block, 2 block, 5 blocks, 1/2 mile, 1 mile, 5 miles, 10 miles).

Additionally, the simple compass can provide navigational assistance for a phone device user as with a traditional compass. Compass directions are useful not only in the woods but in cities, tunnels buildings where users may get disoriented. The phone service may also give directions in terms of a bearing and distance.

When entering a distance and pointing the cell phone, and possibly selecting a category (or deriving a category from your current location), the cell phone service can suggest points of interest or businesses in the most appropriate order the 'best' by rating or the closest by distance.

Maps can be easily provided for points of interest that are recommended by this system.

**DERIVATIVES**

Main idea for disclosure - continued

The cellular link layer of the system could determine based on the signal strength at several towers, the angle that the phone is pointing, in addition to its GPS. So older phone models could be supported.

3. Description: Describe how your invention works, and how it could be implemented, using text, diagrams and flow charts as appropriate.